

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR MANAGEMENT**

Form Q-1

Particulate Control Equipment

1. Additional information needed to complete calculations:

Emission point ID (one page per control device)	Gas or air flow rate (acfm)	Grain loading/actual standard cubic foot of outlet air	Actual collection efficiency (%) (at inlet grain loading and acfm)

2. Baghouse:

Fabric material	Total filter area (ft ²)	Air to cloth ratio (acfm/ft ²)	Pressure drop range across baghouse inches of water	Method of bag cleaning (ie. shaking, jetpulse, etc.)

3. Cyclone:

Average particulate size at the inlet (microns)	Number of tubes	Tube diameter (inches)	Amount of material collected lbs/day

4. Electrostatic precipitator (ESP):

Type of ESP: wet, dry, hot side, cold side	Face velocity across the plates (ft/sec)	Total face surface area (ft ²)	Gas conditioning agent	Delay time between starting of system and ESP unit operation
Why the delay?				

5. Wet collectors:

A. Scrubber type

Pressure drop across scrubber inches of water	Flow rate (gpm)	Scrubbing liquor	Liquid to gas ratio (gpm/10 ³ acfm)	Is there a demister following the scrubber?	What is the pH?

B. Settling pond

Volume (ft ³)	Depth (feet)	Width (feet)	Length (feet)	Diameter (if circular) (feet)

6.

Other pollution control equipment:	
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